

20001012.ba v03\_n007.bam.20001012

>From ???@??? Thu Oct 12 08:31:31 2000 -0500  
Date: Thu, 12 Oct 2000 08:29:02 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3007  
Message-Id: <20001012133029.8A5C02B4@devel143.theporch.com>

BOATANCHORS Digest 3007

Topics covered in this issue include:

- 1) Wanted: B&W Items  
by Robert Vincent <rvi3489u@postoffice.uri.edu>
- 2) RE: PCB CAPACITOR DISPOSAL  
by "Jim Berry" <basalop@gte.net>
- 3) Bird element needed  
by James.Reid@merisel.com
- 4) Re: Need high-impedance earphone advice  
by Al Klase <skywaves@bw.webex.net>
- 5) Re MCR  
by philip mccoey <dgnova@erols.com>
- 6) Ranger panels and cabinet screws??  
by plmills@attglobal.net
- 7) RE: RADIO HAMS ON TURNER CLASSIC MOVIES  
by "John Dilks, K2TQN" <oldradio@worldnet.att.net>
- 8) Re: "Radio Hams" Turner Classic Movies  
by "Ed Sieb" <sieb@sympatico.ca>
- 9) RE: PCB CAPACITOR DISPOSAL  
by Morris Odell <MorrisO@vifp.monash.edu.au>
- 10) RE: PCB CAPACITOR DISPOSAL  
by "Ed Sieb" <sieb@sympatico.ca>
- 11) Re: "Radio Hams" Turner Classic Movies  
by Dick Dillman <ddillman@igc.org>
- 12) Re: "Radio Hams" Turner Classic Movies  
by chuck grandgent <chuck@k1om.com>
- 13) Re: Mystery Receiver  
by Gary Woods <gwoods@albany.net>
- 14) From Patrolling the Ether to the Minutemen  
by john <johnmb@mindspring.com>
- 15) RE: NIB SCR-522A Details  
by "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>
- 16) Re: Mystery Receiver  
by "Hue Miller" <kargokult@proaxis.com>
- 17) Re: Mystery Receiver  
by "Mike Feher" <n4fs@monmouth.com>
- 18) Earphones for kids crystal set

- by McGregor <cbmcg@gte.net>
- 19) Re: Mystery Receiver  
by "Hue Miller" <kargokult@proaxis.com>
- 20) Re: Mystery Receiver  
by Bruce Muscolino <w6toy@erols.com>
- 21) Crystal Help Wanted  
by "Robert G. Flory" <RobandPJ@compuserve.com>
- 22) Need RCA AR-67 Info.  
by Al Klase <skywaves@bw.webex.net>
- 23) Crystal resonances  
by "Rhett T. George" <rtg@ee.duke.edu>
- 24) Tr: NIB SCR-522A Details  
by =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>

-----  
Message-ID: <39E47E93.4D17@postoffice.uri.edu>  
Date: Wed, 11 Oct 2000 14:52:03 +0000  
From: Robert Vincent <rvi3489u@postoffice.uri.edu>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Wanted: B&W Items  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I am looking for some B&W model 5100 Parts. I am looking for a modulator module, also a manual for the 5100A and or 5100B as well as the manual for the side band generator. Thanks Rob,  
K1DFT

-----  
From: "Jim Berry" <basalop@gte.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <k9gaw@juno.com>  
Subject: RE: PCB CAPACITOR DISPOSAL  
Date: Wed, 11 Oct 2000 11:57:51 -0700  
Message-ID: <000601c033b5\$28222f40\$80000f3f@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Why not get rid of the EPA and keep the caps ...

-----  
Mime-Version: 1.0  
Date: Wed, 11 Oct 2000 12:26:49 -0700  
Message-ID: <00B86A2F.C22034@merisel.com>

From: James.Reid@merisel.com  
Subject: Bird element needed  
To: Old Tube Radios <boatanchors@theporch.com>  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Greetings all,

I'm doing some work on a QRP rig and I'm looking for either a 5H or 10H slug to purchase or trade for ? I have a 2500H as possible trading material, but I'm sure right after I trade, I'll find that killer linear I've been looking for. If you can help, drop me a line. Thanks.

-Jim  
james.reid@merisel.com

-----  
Message-ID: <39E4CF60.CE87C649@bw.webex.net>  
Date: Wed, 11 Oct 2000 16:36:48 -0400  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Need high-impedance earphone advice  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Tom,

Try Mouser ([www.mouser.com](http://www.mouser.com)) for high-z ceramic earplugs. These are reasonably sensitive, and less than 2 bucks in modest quantities. Operate with a 50-100K resistor in parallel to provide a proper DC load for the detector. This is really the only option regarding low price and easy availability.

73,  
Al

Tom Lewandowski wrote:

>  
> Hi all  
> I am working with some local 4-H club members, showing them how to home-brew  
> a crystal radio.....

--  
Al Klase - N3FRQ  
skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

-----  
Message-ID: <39E4D64F.FEE0F325@erols.com>  
Date: Wed, 11 Oct 2000 17:06:23 -0400  
From: philip mccoey <dgnova@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re MCR  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Regards to Hue Miller's question about the MCR:

The MCR worked the same as the single span receiver as follows:

The IF is 1600kc. The receiver tunes from 150kc to 1500kc. Ie the european long and medium wave bands. The antenna circuit has a low pass filter that passes anything from 1500kc down. The oscillator tunes from (150kc + 1600kc) to (1500kc + 1600kc), about a 2 to 1 frequency range. This type of receiver was used in England in the early 1930s, before the 6mc to 18mc short-wave band was added to european receivers, about 1936.

Maybe our european members could comment

Philip McCoy dgnova@erols.com

-----  
Message-ID: <39E4E092.4E9978A4@attglobal.net>  
Date: Wed, 11 Oct 2000 16:50:10 -0500  
From: plmills@attglobal.net  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Ranger panels and cabinet screws??  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Can anyone give me the name and e-mail address of the person who refinishes Johnson Ranger front panels? Also, I need info on anyone who can provide the long (and short, for that matter) cabinet screws.

thanks & 73,  
Phil  
W5BVB

-----  
Message-Id: <4.3.2.7.0.20001011180520.00b13730@postoffice.worldnet.att.net>  
Date: Wed, 11 Oct 2000 18:05:43 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "John Dilks, K2TQN" <oldradio@worldnet.att.net>  
Subject: RE: RADIO HAMS ON TURNER CLASSIC MOVIES  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:50 PM 10/10/2000 -0400, Ed Sieb wrote:  
>I've posted an e-mail query about this on the TCM website. I'll post their  
>answer.  
>If enough of us request it, they might just dump the master to VHS cassette  
>for sale to the clamouring masses.  
>  
>Ed  
>VA3ES

Count me in!

John Dilks, K2TQN

-----  
From: "Ed Sieb" <sieb@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: "Radio Hams" Turner Classic Movies  
Date: Wed, 11 Oct 2000 18:50:19 -0400  
Message-ID: <LOBBJHOL00HLIPLONIAFOEBNDEAA.sieb@sympatico.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So far, my query to TCM about the "Radio Hams" short  
did not bring positive results. Here is the response I received:

> Date: Wed, 11 Oct 2000 14:39:24 -0400 (EDT)  
> To: sieb@sympatico.ca  
> From: tcm@turner.com  
> Subject: "Radio Hams" (producer Pete Smith) avai...  
> [Incident:tcm 001011-0001]  
>  
> Recently you sent a message to us at Turner Classic Movies.  
> Below is a summary of your message and our response.  
>  
> Thank you for writing to Turner Classic Movies.  
> -----

> Summary: "Radio Hams" (producer Pete Smith) available?  
> SUGGESTED SOLUTION: At 10/11/2000 02:32 PM we wrote -  
>  
> Dear Ed,  
> Thanks for writing. Unfortunately, none of our shorts are  
> available to purchase on video.  
> Thank you for your interest.  
>  
> TCM Web Staff  
>  
> Incident Details:  
> Reference #: 001011-0001  
> Category: Shorts  
> Contact: sieb@sympatico.ca  
> Date Created: 10/11/2000 12:21 AM  
> Last Updated: 10/11/2000 02:39 PM  
> Elapsed Time: 14 Hours, 17 Minutes  
> Status: Unresolved  
>  
> If your issue remains unresolved, please update your incident at  
<http://www.rightnowtech.com/cgi-bin/tcm/r?11=3D001011-0001&130=3D09712380=85>  
5

Tom Koch, W4UOC is also pursuing this issue via a "back door" at TCM.  
We'll keep you all posted on results.

73  
Ed  
VA3ES

-----  
Message-ID: <07A064EA6042D4118A62009027F70E77868A@nt\_exchange.vifp.monash.edu.au>  
From: Morris Odell <MorrisO@vifp.monash.edu.au>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: PCB CAPACITOR DISPOSAL  
Date: Thu, 12 Oct 2000 09:58:22 +1100  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hi all,

While we're on the subject, I have a question:

When were PCBs first used? ie: How old does a BA have to be before we are likely to find them in there and do we need to worry about toxicity? I recently replaced the innards of a couple of 60 year old bathtub cap which

had about 10-15 ml each of clear yellow oil inside. I must confess I drained them into an old plastic detergent bottle and disposed of it in the garbage. In the process I got a little on my fingers and just washed it off in the usual fashion.

73 de Morris VK3DOC

-----  
From: "Ed Sieb" <sieb@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: PCB CAPACITOR DISPOSAL  
Date: Wed, 11 Oct 2000 19:03:12 -0400  
Message-ID: <LOBBJH0L00HLIPLONIAFOEBODEAA.sieb@sympatico.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Morris,

PCB's have a very pungent, and distinctive odour (like the odour of "NCR" carbonless multi-copy forms). Normally unless you ingest the stuff if it's washed off completely, it should pose no problem. The problem arises from ingested quantities or the by-products from burning (dioxins).

Ed  
VA3ES

> -----Original Message-----  
> From: Morris Odell  
> Sent: Wednesday, October 11, 2000 6:58 PM  
  
> do we need to worry about toxicity? I recently replaced  
> the innards of a couple of 60 year old bathtub cap which  
> had about 10-15 ml each of clear yellow oil inside.  
<snip>  
> In the process I got a little on my fingers and just washed it off in the  
> usual fashion.

-----  
Message-Id: <3.0.5.32.20001011174331.007a5660@pop.igc.org>  
Date: Wed, 11 Oct 2000 17:43:31 -0700  
To: Old Tube Radios <boatanchors@theporch.com>

From: Dick Dillman <ddillman@igc.org>  
Subject: Re: "Radio Hams" Turner Classic Movies  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:50 PM 10/11/00 -0400, Ed Sieb wrote:

>So far, my query to TCM about the "Radio Hams" short  
>did not bring positive results. Here is the response I received:

>Tom Koch, W4UOC is also pursuing this issue via a "back door" at TCM.  
>We'll keep you all posted on results.

Please also ask them about a copy of "Patrolling the Ether", the movie about the FCC's investigation arm during WWII. It's a real treasure that I've been looking for for decades.

Regards,

Dick

Dick Dillman, W6AWO  
Member of the Maritime Radio Historical Society  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

-----  
Date: Wed, 11 Oct 2000 21:07:31 -0400  
From: chuck grandgent <chuck@k1om.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: "Radio Hams" Turner Classic Movies  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Message-Id: <200010112108766.SM00599@t120>

OK, thanks to the miracle of "search engines", here's a possible source:

<http://home.att.net/~viennawireless/new050.html>  
The Newsletter of the Vienna Wireless Society  
Editor: Jim Parsons WA4LT0  
May, 2000

"Ahoy! This Friday night (May 12) is the next VWS meeting at Vienna Elementary School, 128 Center Street South, 7:30PM. Please come and watch, "Patrolling the Ether," a video history of the FCC Radio Intelligence Division. The video is a little known classic, but several of our members have seen it. They all told me it's a GREAT video and they plan



to be on deck to see it again this Friday. Mike Toia, K3MT, offered to show it and the school librarian assured me he'd have a VCR and monitor in the cafeteria for our meeting so we can show it. I'll see you there!

73, Mike Steussy AE4R

VWS program coordinator

Editor's Note: I first saw this film many, many moons ago. Jerry Johnson, the former Chief Engineer at the Norfolk FCC Field Office, took it around to the various ham clubs in southern Virginia. It's both fascinating and hoakie--a gem of wartime docu-dramas. Don't miss it!"

Dick Dillman wrote:

>

> At 06:50 PM 10/11/00 -0400, Ed Sieb wrote:

>

> >So far, my query to TCM about the "Radio Hams" short  
> >did not bring positive results. Here is the response I  
received.....

>

>

Dick Dillman, W6AWO

>

Member of the Maritime Radio Historical Society

>

Collector of Heavy Metal:

>

Harleys, Willys and Radios Over 100lbs.

-----  
From: Gary Woods <gwoods@albany.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Mystery Receiver

Date: Wed, 11 Oct 2000 21:30:06 -0400

Message-ID: <nn4auscocpcvf4v7fudptkpho75am0a448@4ax.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

On Tue, 10 Oct 2000 22:15:37 -0700, you wrote:

>There was the B1RD, precursor to the Naval GU11. Both very rare ( check  
>epay ) and totally undocumented.

And that experimental aircraft, the 2FF2R!

--

Gary Woods O- K2AHC Public keys at [www.albany.net/~gwoods](http://www.albany.net/~gwoods), or get 0x1D64A93D via  
keyserver

[gwoods@albany.net](mailto:gwoods@albany.net) [gwoods@wrgr.com](mailto:gwoods@wrgr.com)

fingerprint = E2 6F 50 93 7B C7 F3 CA 1F 8B 3C C0 B0 28 68 0B

-----

Message-Id: <3.0.3.32.20001011220235.00e25fbc@mindspring.com>  
Date: Wed, 11 Oct 2000 22:02:35 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: john <johnmb@mindspring.com>  
Subject: From Patrolling the Ether to the Minutemen  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

....from another list, comes this link about the "Radio Minutemen"...  
anyone know anything about THIS odd little gem?

[http://www.tactical-link.com/radio\\_minutemen.htm](http://www.tactical-link.com/radio_minutemen.htm)

John

-----  
Date: Wed, 11 Oct 2000 23:06:59 -0400  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: RE: NIB SCR-522A Details  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200010112307\_MC2-B69F-941D@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

Dave, Andre, et al,

I don't think that I have ever seen a piece of SCR-522 gear that didn't have dual nomenclatured nameplates (Signal Corps and Air Ministry). And that goes for the dynamotors and control boxes as well as even the connectors. SCR-624 (the ground variant) components that were not used in the aircraft variants (SCR-522 and SCR-542) don't seem to, but the radio = in my SCR-624 does.

Robert Downs  
<RWDowns\_WA5CAB@compuserve.com>  
Houston

-----  
Message-ID: <004d01c0340b\$aab44780\$e7c56ac6@oemcomputer>  
From: "Hue Miller" <kargokult@proaxis.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Mystery Receiver  
Date: Wed, 11 Oct 2000 22:17:03 -0700

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: Mike Feher <n4fs@monmouth.com>

> Hugh -  
>  
> What military domestic set would you consider sophisticated for  
that era?

BC-224 (1936)  
RAP ( 1938 ?)  
BC-310 (1936)  
Forest Service SPF (features per size) (1938)  
RAX (1939)  
TCH (1940)  
and no doubt others.

IF you had said, "clandestine gear", you would have had me.

Still, comparing CMS to other WW2 "clandestine gear", i don't  
think you find regen receivers with no gain control for a 3-tube  
circuit, nor a microphone jack in the cathode lead of the PA  
tube, and requiring separate antennas (no antenna switching).  
I maintain by the time of the CMS's construction (1939 or 1940?)  
its circuit would have been an embarrassment to homebrewers'  
magazine Shortwave Craft.  
Hue Miller

-----  
Message-ID: <014e01c0340b\$5b698320\$378abd18@n4fs>  
From: "Mike Feher" <n4fs@monmouth.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Mystery Receiver  
Date: Thu, 12 Oct 2000 01:14:52 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, to show my ignorance I do not even know what some of the rigs you  
mentioned are. Half of them I have and the other half, specifically the RAP,  
BC-310, and, the TCH I never heard of. If they are in the same category I  
sure would like to know more about them. I would consider the RCA AVT/AVR

series to be the most advanced for it's time. I have load of those and am always impressed when put next to military gear from the same era. The BC-474 of course is the same type of thing but by then better rigs were available. I do agree about your observations on the CMS, regarding antennas and all, but, what else makes sense? 73 - Mike

Mike B. Feher, N4FS  
89 Arnold Blvd.  
Howell NJ, 07731  
(732) 901-9193

----- Original Message -----

From: "Hue Miller" <kargokult@proaxis.com>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Thursday, October 12, 2000 1:17 AM  
Subject: Re: Mystery Receiver

>  
> ----- Original Message -----  
> From: Mike Feher <n4fs@monmouth.com>  
>  
> > Hugh -  
> >  
> > What military domestic set would you consider sophisticated for  
> that era?  
>  
> BC-224 (1936)  
> RAP ( 1938 ?)  
> BC-310 (1936)  
> Forest Service SPF (features per size) (1938)  
> RAX (1939)  
> TCH (1940)  
> and no doubt others.  
>  
> IF you had said, "clandestine gear", you would have had me.  
>  
> Still, comparing CMS to other WW2 "clandestine gear", i don't  
> think you find regen receivers with no gain control for a 3-tube  
> circuit, nor a microphone jack in the cathode lead of the PA  
> tube, and requiring separate antennas (no antenna switching).  
> I maintain by the time of the CMS's construction (1939 or 1940?)  
> its circuit would have been an embarassment to homebrewers'  
> magazine Shortwave Craft.  
> Hue Miller  
>

>

-----  
Message-Id: <4.3.2.7.0.20001011223428.00ae6900@mail.gte.net>  
Date: Wed, 11 Oct 2000 22:37:25 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: McGregor <cbmcg@gte.net>  
Subject: Earphones for kids crystal set  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 01:25 PM 10/11/00 -0500, Tom Lewandowski wrote:

> Does anyone know of an inexpensive, good performing earphone that  
> will work on a crystal set? Thanks for the response and the bandwidth.

There are some ceramic element Hi-Z earpieces listed in the Mouser Electronics catalog. At about \$2 each they ought to be worth trying.  
[www.mouser.com](http://www.mouser.com)

Chuck N7RHU

-----  
Message-ID: <002101c03426\$a11e6820\$8bc36ac6@oemcomputer>  
From: "Hue Miller" <kargokult@proaxis.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Mystery Receiver  
Date: Thu, 12 Oct 2000 01:30:06 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It seems to me even the schematic for the CMS is crudely drawn.

As to use? Training device for raider type forces? Some kind of radio for some kind of potential coastwatcher use?

Small = intended to be easy to move around, quicky, undetected.

Power level= 6V6 or 6L6, enuff to span a couple to several hundred miles

Construction= civilian, not really waterproofed or well camouflaged, i.e. case is wooden suitcase, not civilian suitcase style, not really good for field exercises?

Power supply= not built in, not supplied

Antenna= separate antennas.

Freq control= xtal or vfo. I cannot think of any "spy-type"

radios that had vfo control option.

My only guesstimate revolves around some kind of coast  
watcher setup, that's the only thing i can imagine that the  
Navy would have been up to.

Hue Miller

-----  
Message-ID: <39E579A4.4676@erols.com>  
Date: Thu, 12 Oct 2000 04:43:16 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Mystery Receiver  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hue,

>

> Freq control= xtal or vfo. I cannot think of any "spy-type"

> radios that had vfo control option.

>

I remember once a former member of the Dutch resistance told me the  
reason that spy sets were made crystal controlled was that it was easier  
for the controllers to find the spy station if they knew where to look  
for his transmissions!

At the time (1979) we were discussing a crystal controlled transceiver  
he had built to take to Germany on vacation. It worked, we had several  
very successful QSOs.

Bruce

-----  
Date: Thu, 12 Oct 2000 07:22:05 -0400  
From: "Robert G. Flory" <RobandPJ@compuserve.com>  
Subject: Crystal Help Wanted  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <200010120722\_MC2-B69C-1904@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

Hi,

I was a VFO novice, late 70s, so I never really got to know crystals. I hope to eventually find a VFO 122 for my Viking II transmitter, but want to fool around with it on xtal control, too.

I borrowed a couple of crystals from a buddy, an old round-package Bliley crystal for 80m and a NA Philips/Signal Corps CR-1C/AR for 40.

The Bliley would not oscillate until I completely removed the parallel trimmers that were added to the crystal sockets, and then it would go but quite chirpy.

The Phillips one works pretty well.

I have read my 58 ARRL handbook, my Terman and I am still a bit confused.

Please correct or answer:

Because a crystal is equivalent to a series resonant circuit with a shunt capacitance, it has both series and shunt resonances, with the shunt generally lower in F.

This is used in crystal filters to give both peak and notch effects.

Depending on the oscillator circuit, a crystal can resonate on either the series or shunt resonant frequency.

My Viking oscillator uses the series, because the crystal is the feedback from screen to grid.

Is this why the Philips crystal oscillates on 7011.3 instead of 7010 that it has marked on it? Was it supposed to be used in a shunt-resonance mode?

How do I find out which crystals will work best in my rig?

73 and thanks, Rob K2WI

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Message-ID: <39E5A8D0.91B219DD@bw.webex.net>  
Date: Thu, 12 Oct 2000 08:04:32 -0400  
From: Al Klase <skywaves@bw.webex.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Steve Rosenfeld <srosenfeld@att.com>  
Subject: Need RCA AR-67 Info.  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anchorites,

Does anyone have any data on the RCA AR-67 receiver? A friend ask me about this. The only reference we can find is the RCA ad's in the 1938 Jones and ARRL handbooks. Nothing in QST. Not really surprising as the set covers 150-1500KC.

73,  
Al

--

Al Klase - N3FRQ  
skywaves@bw.webex.net  
Flemington, NJ 08822  
Web Page: <http://www.webex.net/~skywaves/home.htm>

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From: "Rhett T. George" <rtg@ee.duke.edu>  
Date: Thu, 12 Oct 2000 09:06:08 -0400  
Message-Id: <200010121306.JAA10401@champ.ee.duke.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Crystal resonances

- Greetings -

Rob, K2WI, posed a good question. I just checked a crystal from the Marden Co. It shows a series resonance at the lower frequency, 6.369 MHz, and parallel resonance at 6.383 MHz when used as a series element in the signal path of an H-P 3577A Network Analyzer. Using the circuit analysis program, Spice, with typical crustal values yields the same result - series resonance occurs at the lower frequency. Here are the values I used.

Rs 1 2 100  
Cs 2 3 1p  
Ls 3 0 4  
Cp 1 0 50p

Hope this helps.



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Message-ID: <000801c0343d\$84e31d60\$4815fea9@b1yhp64>  
From: =?iso-8859-1?Q?Andr=E9\_Guibert?= <aguibert@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Tr: NIB SCR-522A Details  
Date: Thu, 12 Oct 2000 07:11:51 -0400  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bonjour Robert and All  
If the SCR522 has a red band at the bottom of the Signal  
Corps nameplate, it would more than  
likely that it was part of the "Lend Lease Deal" from the US  
to England.

The same thing would apply for the WS19 built in the US and  
Canada with both English  
and Russian markings.  
Unless US and Canada were bilinguals during WW2, English and  
Russian.

Andre  
PS My SCR522 Test Set Signal Corps nameplate has no red  
band, even though there is a  
big English type jack for a mic./headphones plug.

----- Original Message -----

From: ROBERT W. DOWNS <RWDowns\_WA5CAB@compuserve.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Sent: Wednesday, October 11, 2000 11:06 PM  
Subject: RE: NIB SCR-522A Details

Dave, Andre, et al,

I don't think that I have ever seen a piece of SCR-522 gear that didn't  
have dual nomenclature nameplates (Signal Corps and Air Ministry). And  
that goes for the dynamotors and control boxes as well as even the  
connectors. SCR-624 (the ground variant) components that were not used in  
the aircraft variants (SCR-522 and SCR-542) don't seem to, but the radio in  
my SCR-624 does.

Robert Downs  
<RWDowns\_WA5CAB@compuserve.com>  
Houston

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End of BOATANCHORS Digest 3007  
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